



QUALIFIED ELECTRICAL PRODUCTS LIST

Materials from the companies listed herein are pre-qualified for use on Wisconsin Department of Transportation projects in accordance with all applicable specifications and/ or Policy Memoranda. These materials have been inspected, tested, or evaluated for use. All materials used are subject to inspection and testing and possible rejection for use in accordance with the Standard Specifications.

Materials approved for use based on Underwriters Laboratory (U.L.) listing shall be marked or identified with the U.L label or markings.

In addition to being supplied from an approved manufacturer(listed herein) poles, arms, standards, and bases require additional documentation as detailed in Section 657 of the Standard Specifications.

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Approved Electrical Materials List and Updates to the Standard Electrical Specifications

Last updated: 2/16/2005

ELECTRICAL PRODUCTS

Material	Company
Rust, Corrosive and anti-seize compound:	Hightemp-E-Z Break (Markal) Never-seez (marine grade) LPS 100 Lubriplate
(a) PVC-to-Metallic-Male Terminal conduit (size) Adaptors:	U.L. Listed
(b) Cast Iron "T" Condulets with Domed, Wedgenut Type Covers:	Crouse Hinds: (body, cover w/gasket) O-Z/Gedney: (body, cover w/gasket) Thomas & Betts: (body, cover w/gasket) 573-T&B Gasket
(a) Bushings:	O.Z. Gedney T&B Appleton
(b) Steel Threaded Protective Caps:	Rigid Metallic Conduit: Allied Steel-Wheatland or equal
(c) PVC Protective Caps or Plugs:	U.L. Listed
Zinc Rich-Galvanizing Paint: (80% zinc - cold galvanizing compound)	Z.R.C. Galvalite Galva - weld ZYP Coatings
Expansion Fittings:	
(a) PVC Non-Metallic Conduit:	U.L. Listed
(b) Rigid Metallic Conduit:	U.L. Listed
Junction Boxes (Hot Dipped Zinc Coating):	O.Z. Gedney(YR Series- various sizes) Spring City (ER- various sizes)
Pressure or Compression Type Connectors:	UL Listed (To be used per UL Listing)
(a) Wire Nuts (Soft Cover): Use for traffic signal bases	UL Listed
(b) Butt Splices (Non-Insulated): Use for loop detector splicing	UL Listed
(c) Solderless Lugs: Use for cabinet termination connections, pull box, junction box and breakaway base grounding.	UL Listed
(d) Split Bolts: Use for pole base wiring	UL Listed (Use per UL Listing)
Electrical Coating (Varnish):	3M (Scotchkote)
Secondary-In line Fuse Assembly:	Buss Littlefuse Gould Shawmut
Splice Kits:	3M
Electrical Tape - High Voltage (Rubber):	3M Plymouth Okonite
Electrical Tape (Vinyl):	3M-33+ Plymouth Okonite



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Last updated: 6/5/2006

Material	Company
Poles: Shall conform to Section 657, Standard Specifications for Highway and Structure Construction (Recommended Manufacturers)	The below noted are pre-qualified sources for poles. Per the requirements of Section 657 a certification of compliance and shop drawings are to be furnished for all poles
(a) Steel:	Ameron Valmont Union Metal Millerbernd Hapco Maico
(b) Aluminum:	Lexington Hapco Flagpole

Pedestal Bases:	The below noted are pre-qualified sources for bases. A certification of compliance is required for all contracts. TAPCO (Traffic and Parking Control Co. TP358-3A) Component Products Inc. Alloy Casting (A.C.T.B.) 14 inch-S; Akron Foundry Company TS-1000
Transformer Bases:	Akron TB1-17, TB2-17, TB3-17 TAPCO 201-5 Lexington 08R1012B17
Aluminum Pole Coated W/Approved Corrosive Protection:	"On-Guard" (non-corrosive seal)
Mounting Hardware:	Automatic/ Eagle Crouse Hinds TSW Pelco Astro Brac Traffic Parts Inc.
Pinnacles Complete:	Automatic/ Eagle TSW Traffic Parts Inc. TAPCO
Neoprene Washers/Rubber:	Automatic/Eagle TSW Traffic Parts Inc. TAPCO
Pedestrian Push Buttons:	Campbell Company 4Ever-120, 3-inch Round Solid State Piezo Button with acknowledgement LED and Buzzer

Luminaires:	
Underdeck:	American Electric, sidelite Holophane-Wallpack WL2K
Utility:	AEL American Electric Lighting 150 Watt HPS, MT, 31515SCAMT2R3FG4BULNR/AR10347 250 Watt HPS, MT, 32525SMRMT3R3FGULNR/AR10347 400 Watt HPS, MT, 32540MRMT3RFGULNR/AR10347 150 Watt HPS, 480 V., 32515SMR480GR2FGULNR/AR10347 250 Watt HPS, 480 V., 32525SMR480R3FGULNR/AR10347 400 Watt HPS, 480 V., 32540SMR480R3FGULNR/AR10347 250 Watt MH, MT, 32525MCAMT2R3FGULNR/AR10347 250 Watt, MH, 480 V., 32525MCA480R3FGULNR/AR10347

Sign Lighting:	Holophane PANL 250 HP-XX-D-G-F1-4Bolt
High Mast:	General Electric, HMA Holophane, HMSC
Miscellaneous Lighting:	Kenell (Walkway Tunnel Lighting; Weigh Scales; Rest Areas)
Lamps: HPS, MV-DX	General Electric Phillips Osram Sylvania



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Insulating Putty:	3M Plymouth Okonite
Lowering Devices H.M.L.:	Holophane American High Mast Millerbernd General Electric
Photo Cells:	Area Lighting Research Inc. Paragon Precision Tork Intermatic (# 4021) Fisher Pierce Ripley Dark to Light